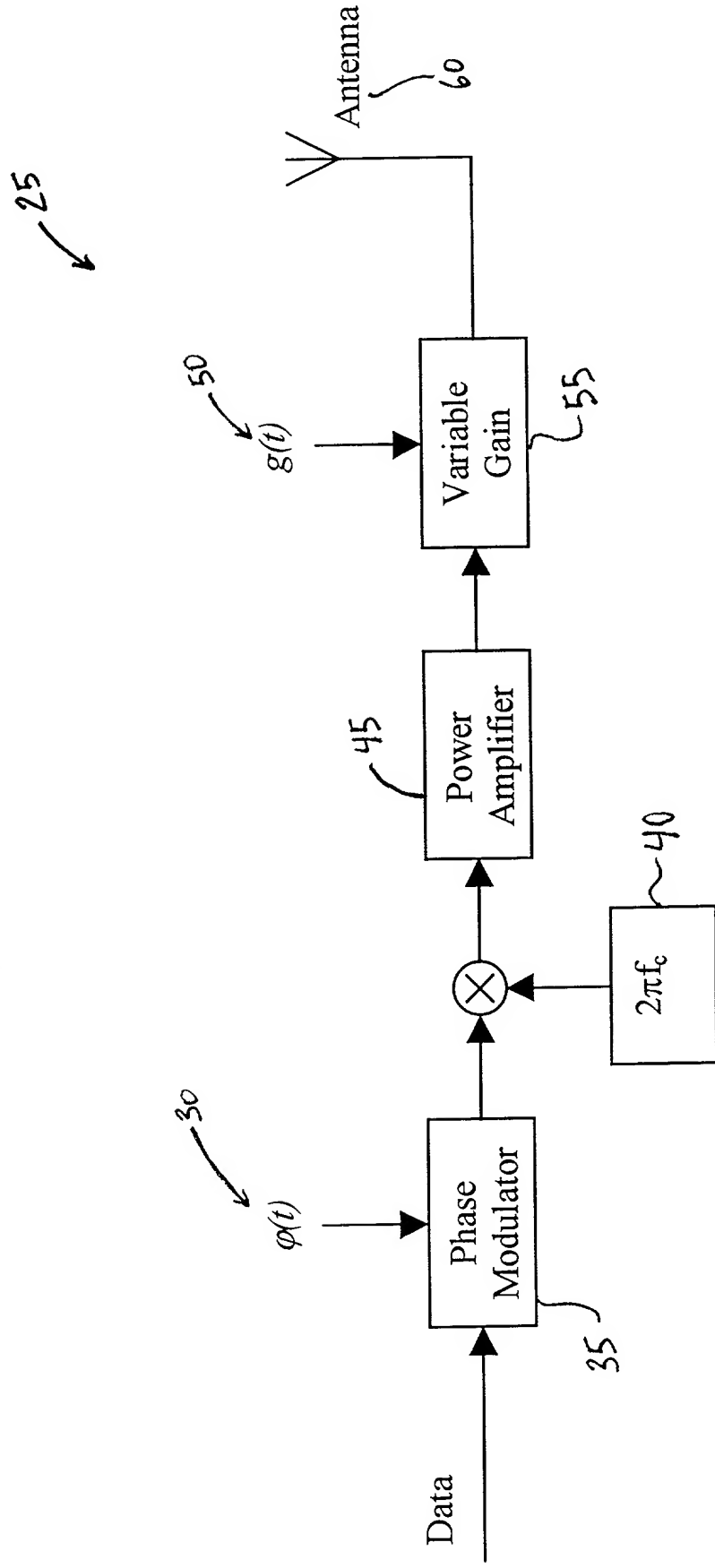


$$y(t) = x(t) \otimes h(t) = \int_{-\infty}^{\infty} x(t - \tau) \cdot h(\tau) d\tau$$

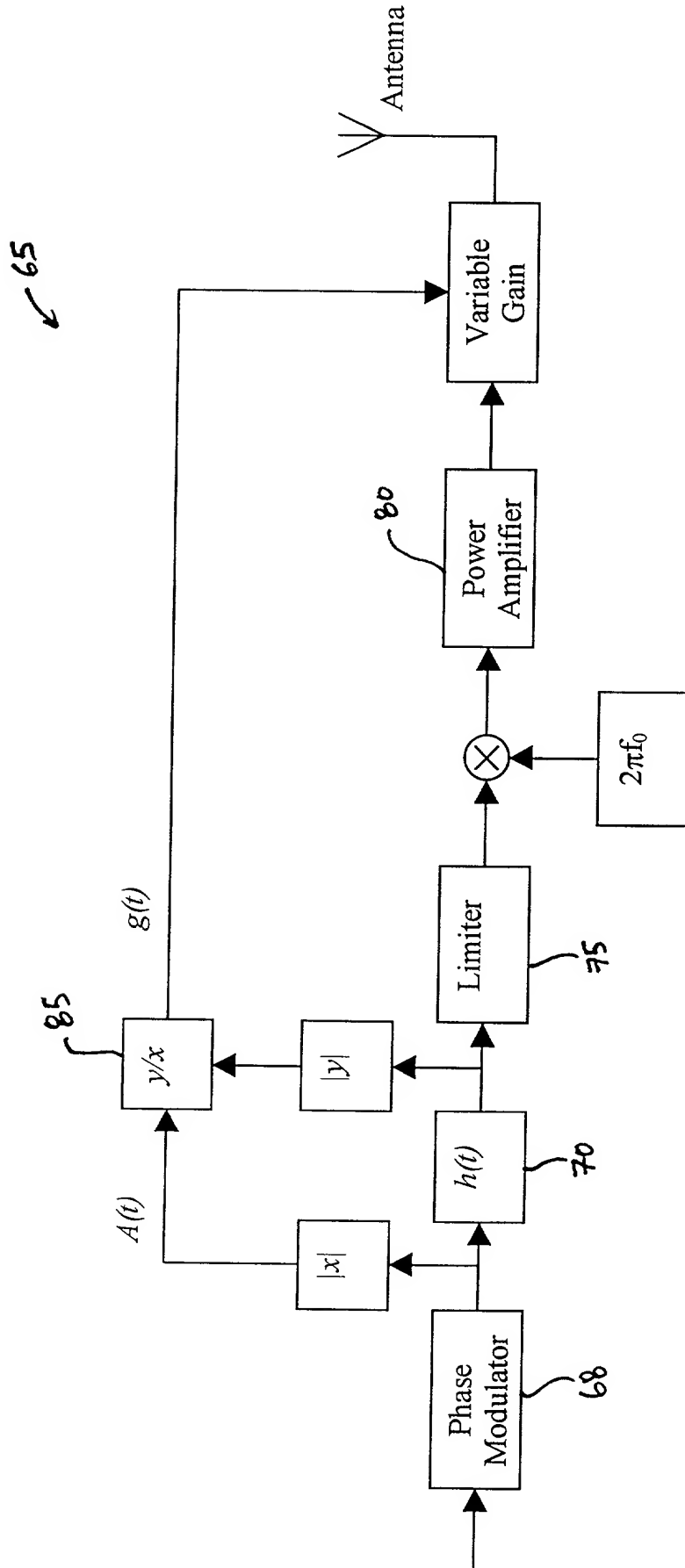
Filtering in the time domain

FIG. 1



Block diagram of a transmitter with two part polar filtering

FIG. 2



Block diagram of transmitter illustrating the calculation of $j(t)$ and $g(t)$.

FIG. 3

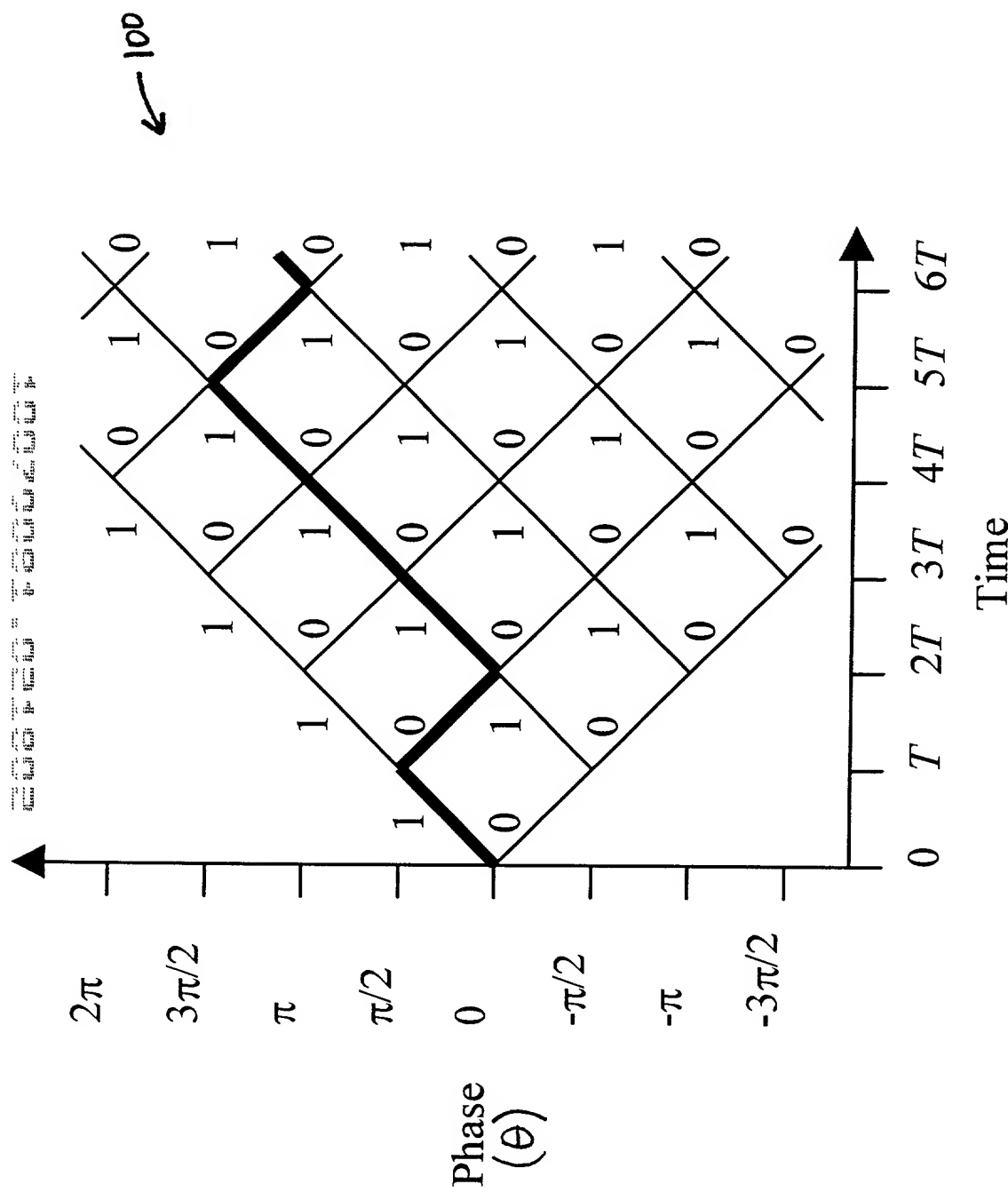


FIG. 4

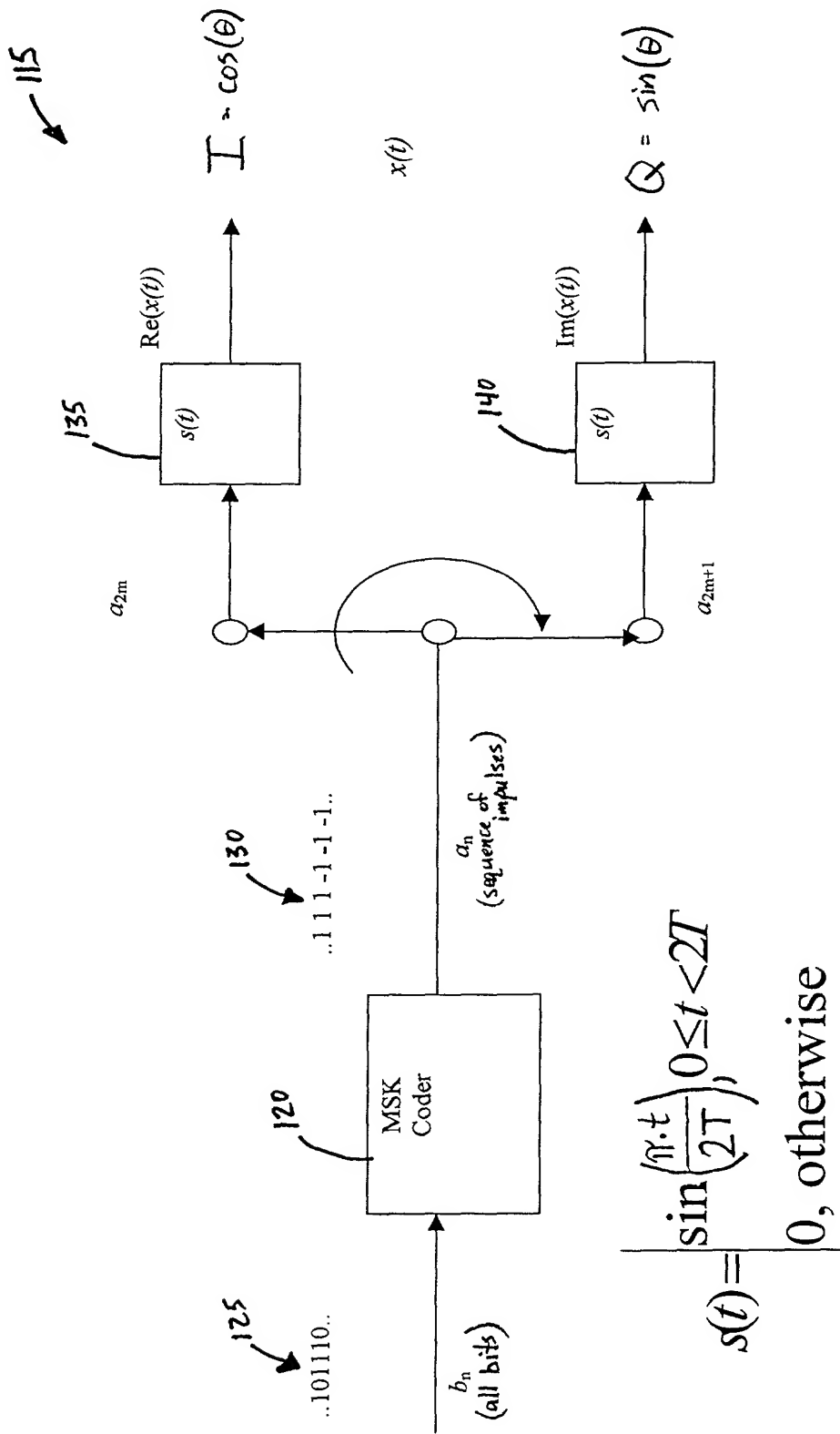


FIG. 5

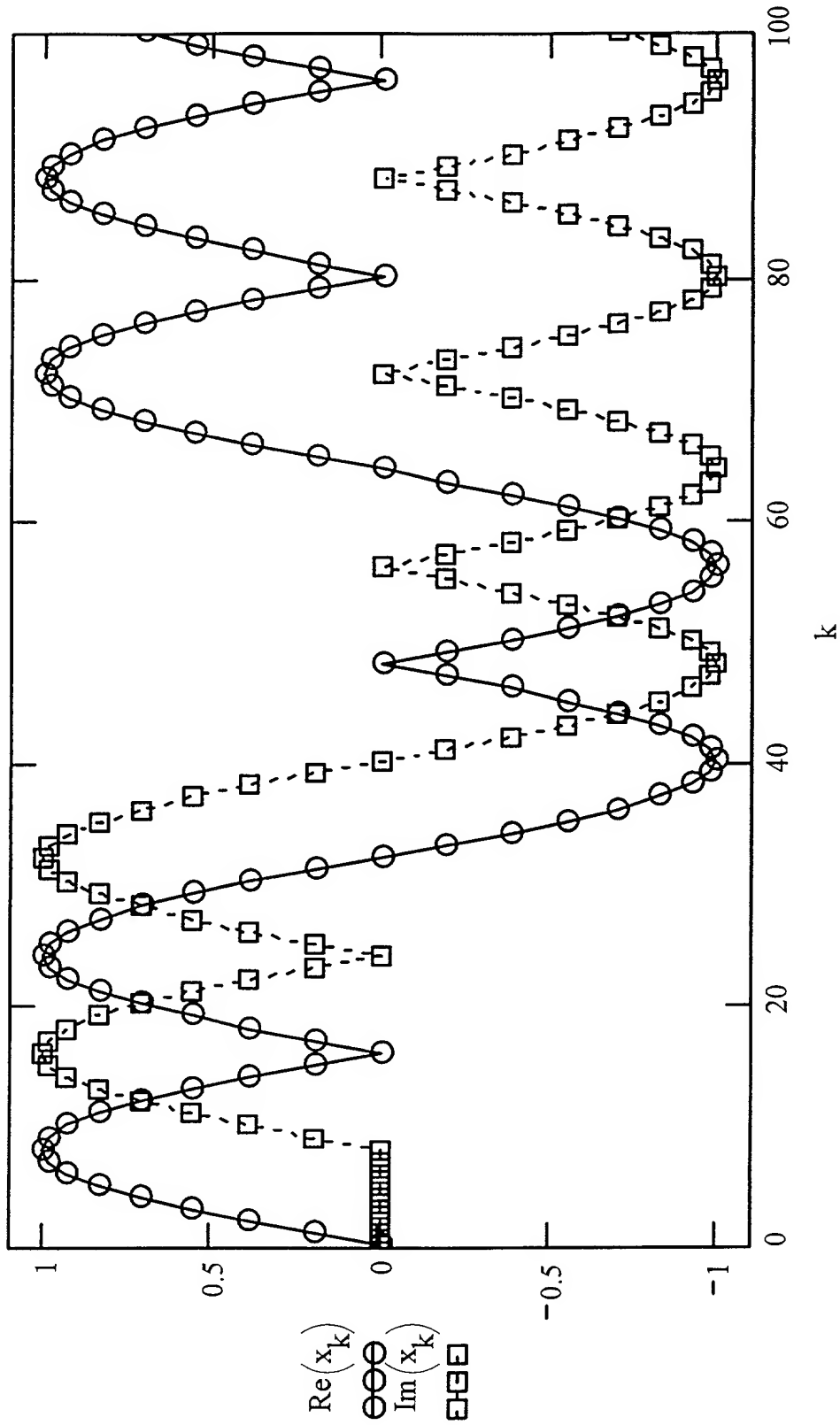


FIG. 6

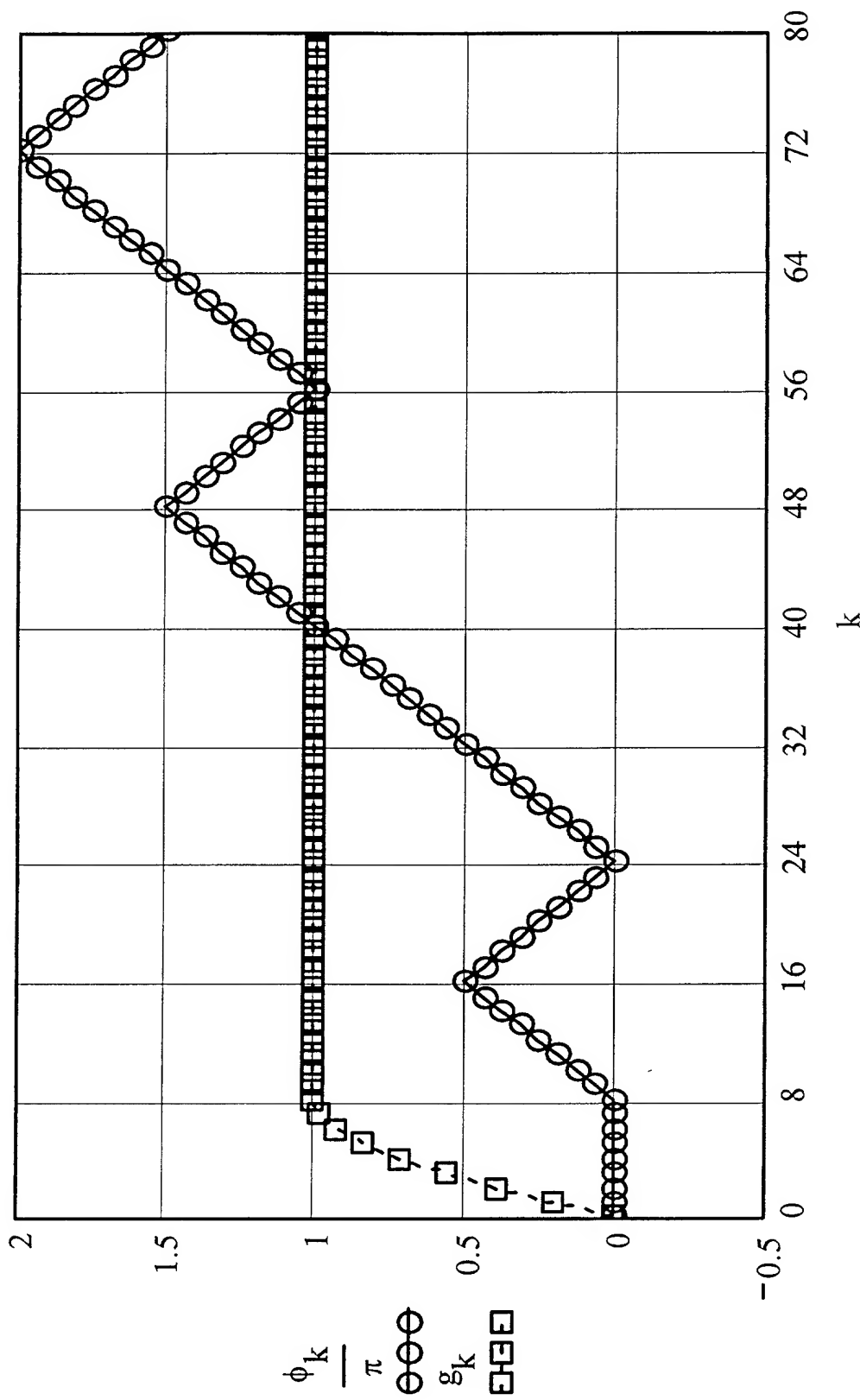


FIG. 7

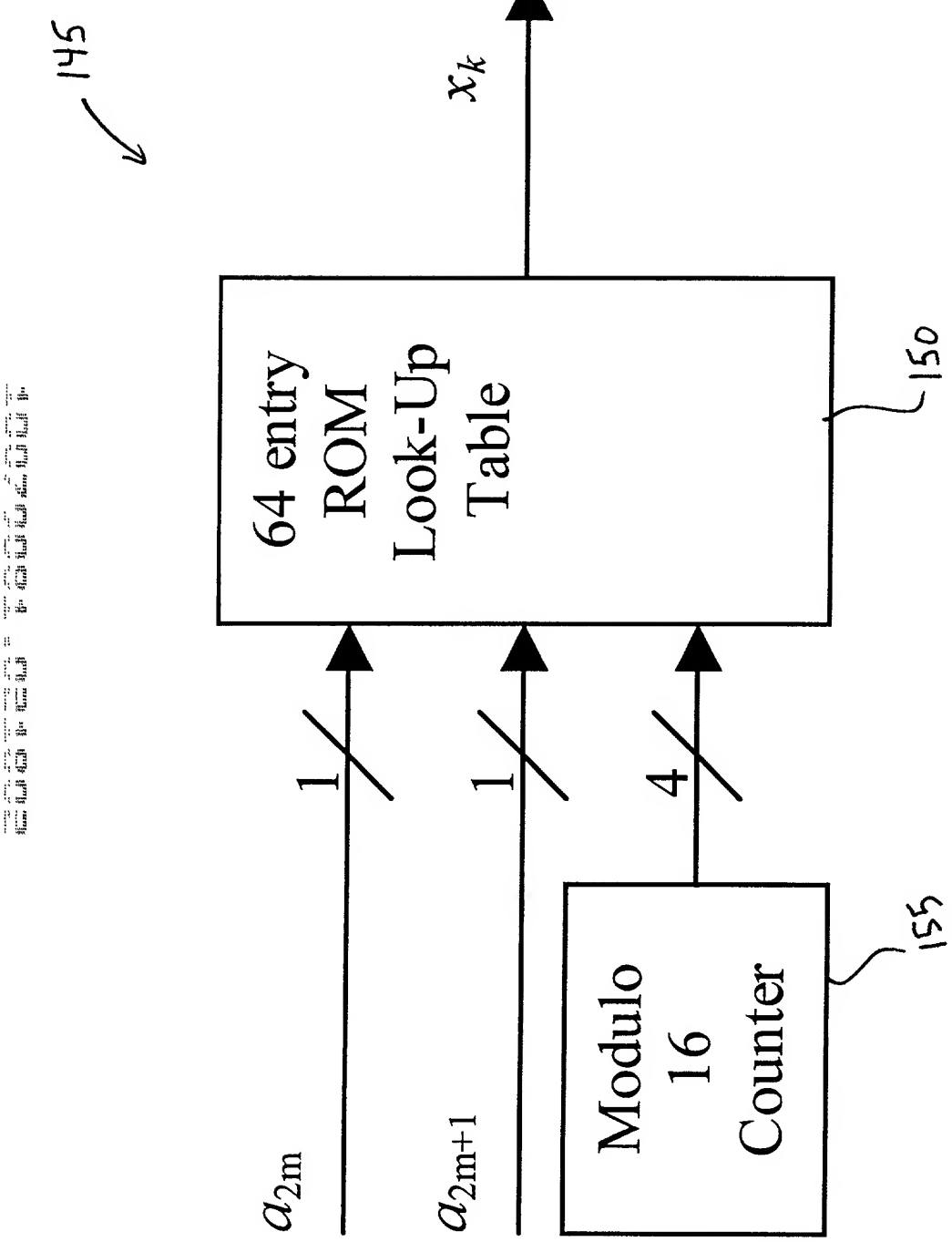


FIG. 8

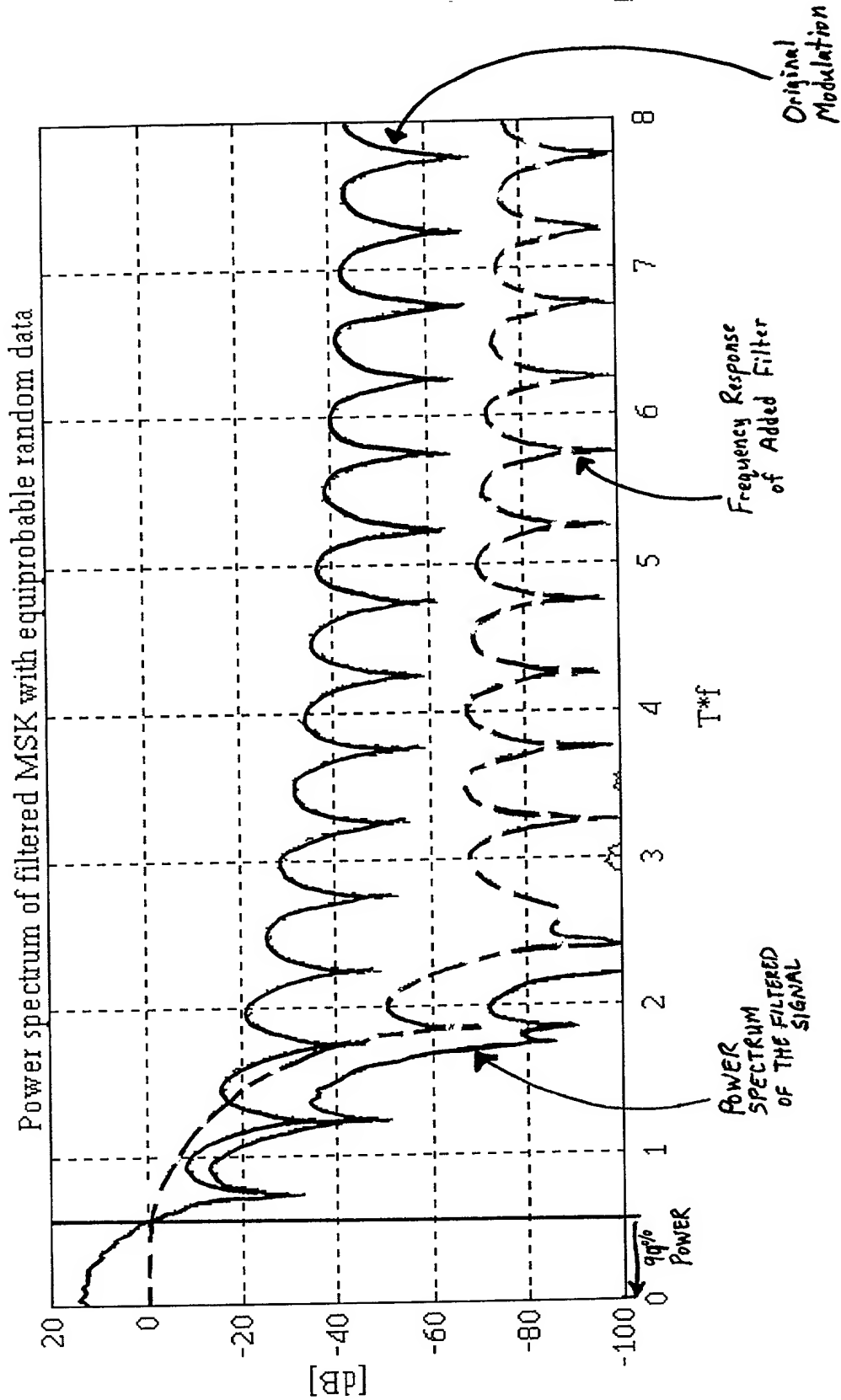


FIG. 9

200 ↙

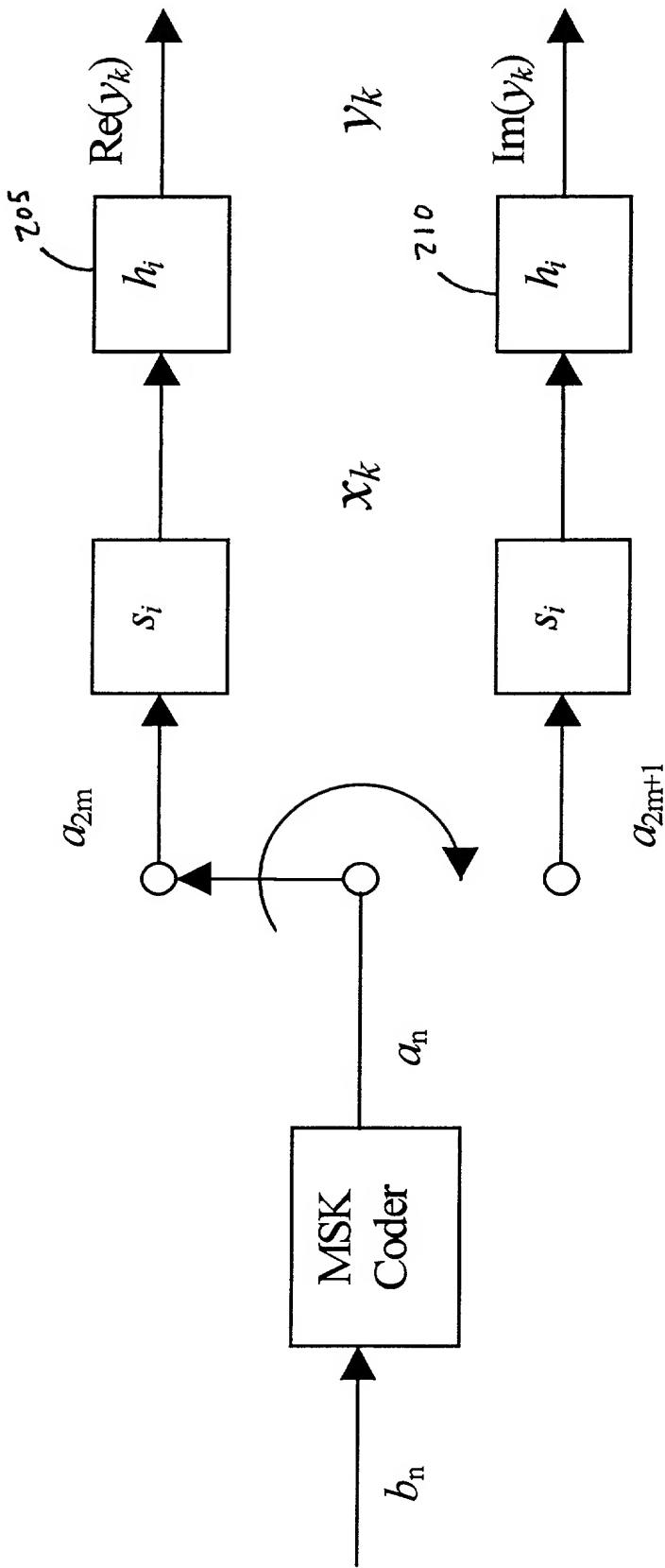


FIG. 10

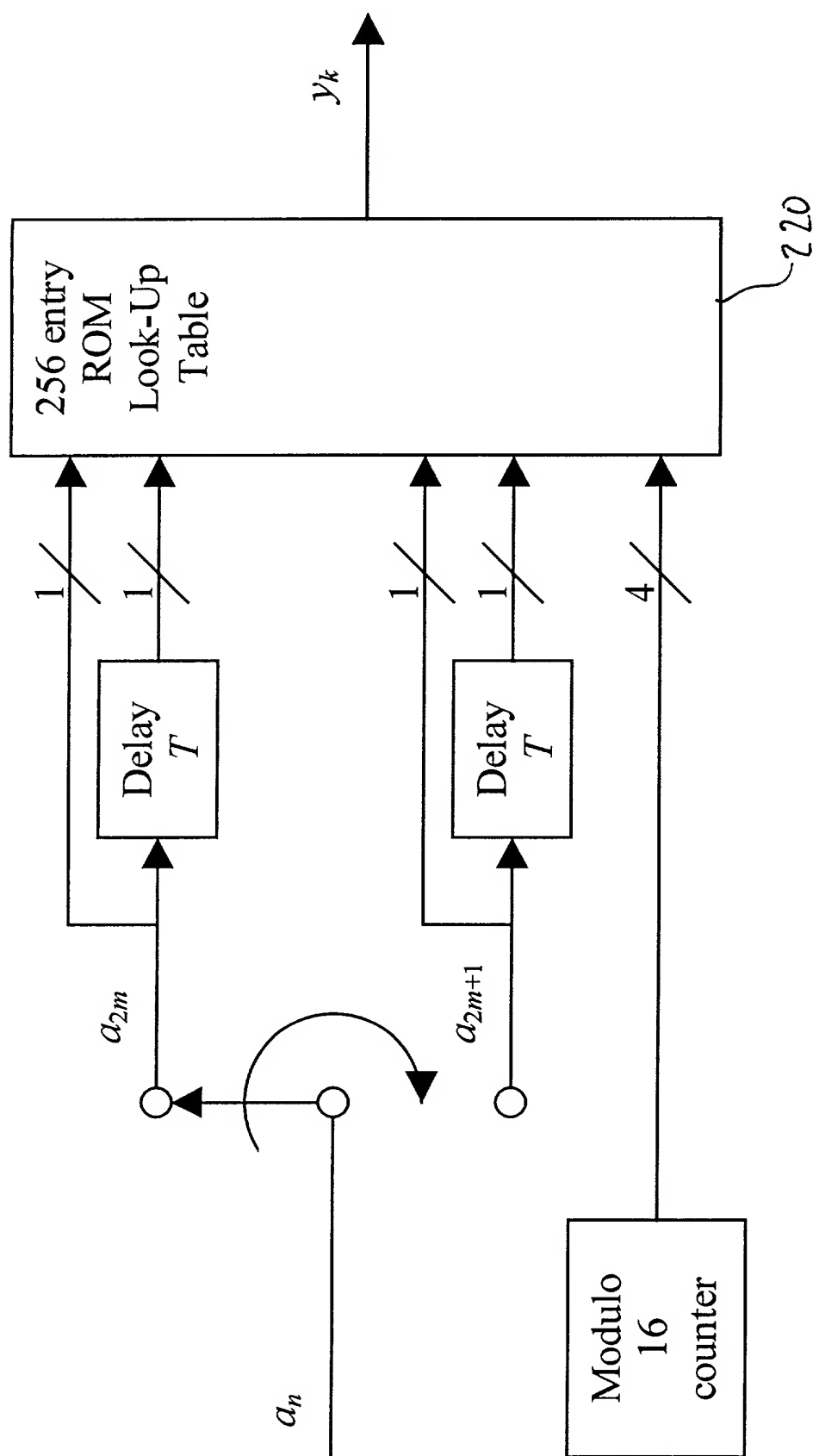


FIG. 11

**Title of Invention: Transmitter and Associated Method
for Reducing the Adjacent Channel Power During
Wireless Communications**

Inventor's Name: Peter B. Holmqvist

Attorney Docket Number: 38128/193723

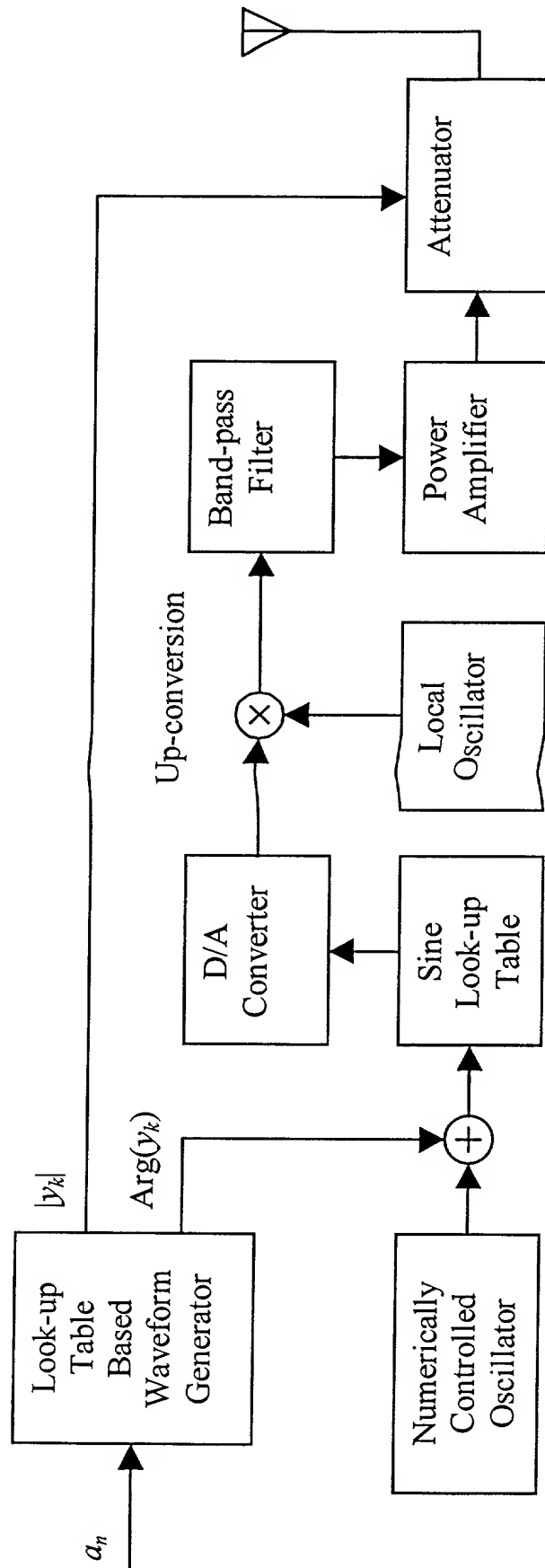


FIG. 12